

and after the close of the month, it will be discussed in the May issue of this REVIEW.

EFFECT OF WEATHER ON CROPS AND FARMING OPERATIONS, APRIL, 1925

By J. B. KINCER

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC DRAINAGE					
Connecticut:	<i>Feet</i>			<i>Feet</i>	
White River Junction, Vt.....	15	(1)	2	22.5	Mar. 29
Holyoke, Mass.....	9	(1)	(?)	9.4	31
Hartford, Conn.....	16	(1)	3	20.5	Apr. 1
MISSISSIPPI DRAINAGE					
Illinois:					
Henry, Ill.....	7	(1)	9	9.6	{ Mar. 24, 25, 26
Havana, Ill.....	14	(1)	2	14.3	27-30
Beardstown, Ill.....	12	(1)	14	15.4	28, 29
White:					
Calico Rock, Ark.....	18	28	29	20.5	28
Batesville, Ark.....	23	29	30	25.6	29
Sulphur: Ringo Crossing, Tex.....	20	{11 27	12 (?)	20.5 23.4	12 28
Grand:					
Gallatin, Mo.....	20	25	25	21.0	25
Chillicothe, Mo.....	18	25	27	24.5	26
Brunswick, Mo.....	10	27	29	10.0	27-29
WEST GULF DRAINAGE					
Trinity: Dallas, Tex.....	25	27	27	25.3	27
Rio Grande: San Marcial, N. Mex.....	2	18	24	2.4	20
PACIFIC DRAINAGE					
San Joaquin: Friant, Calif.....	8	{13 27	18 30	9.1 8.9	17 29
Willamette: Portland, Oreg.....	15	20	24	15.6	22

¹ Continued from last month.

² Continued at end of month.

³ Below flood stage at 8 a. m. Apr. 1.

⁴ Estimated.

MEAN LAKE LEVELS DURING APRIL, 1925

BY UNITED STATES LAKE SURVEY

[Detroit, Mich., May 6, 1925]

The following data are reported in the "Notice to Mariners" of the above date:

Data	Lakes ¹			
	Superior	Michigan and Huron	Erie	Ontario
Mean level during April, 1925:				
Above mean sea level at New York.....	<i>Feet</i> 600.85	<i>Feet</i> 578.50	<i>Feet</i> 571.35	<i>Feet</i> 245.61
Above or below—				
Mean stage of March, 1925.....	+0.05	+0.12	+0.44	+0.41
Mean stage of April, 1924.....	-0.16	-0.39	-0.42	+0.25
Average stage for April, last 10 years.....	-0.86	-1.65	-0.83	-0.39
Highest recorded April stage.....	-1.84	-4.73	-2.83	-2.82
Lowest recorded April stage.....	+0.31	-0.39	-0.29	+0.77
Average relation of the April level to—				
March level.....		+0.3	+0.6	+0.6
May level.....		-0.3	-0.4	-0.4

¹ Lake St. Clair's level: In April, 1925, 573.76 feet.

General summary.—As a result of the generally mild and mostly fair weather that prevailed during April, both vegetation and farm work advanced rapidly for the season and were considerably ahead of an average year, except in the Southwest where the soil was too dry for planting and for germination and growth. There was some frost damage to fruit and tender vegetation in limited areas, but harm was not extensive. In the Southeast, during the latter part of the month, late-seeded crops needed showers for best germination, but the early seeded were generally doing well. In the great western range sections the weather was favorable for the range and livestock from the central and northern Great Plains westward, but severe drought prevailed in the South, especially in the southern border States where a large portion of the range was poor and in many places bare, with considerable loss of livestock.

Small grains.—The month, on the whole, was favorable for winter and spring grains in the interior and Central-Northern States. The seeding of oats and spring wheat had been largely completed at the close of the month and germination was satisfactory. Winter wheat improved steadily, especially in the western portion of the Winter-Wheat Belt where rainfall was of great benefit. This crop was spotted, however, in parts of the Ohio Valley and the general condition continued poor in the upper valley districts.

Corn.—Considerable corn was planted in the central valley States the last part of the month and seeding was begun in the Great Plains as far north as central Nebraska. Corn was germinating satisfactorily, except where it was too dry in parts of the South, principally in the Southwest, though rain during the closing days of the month furnished needed moisture in these sections. An unusually large amount of corn ground was prepared early this year as a result of the favorable weather for outdoor operations.

Cotton.—Favorable weather prevailed for planting cotton and for germination of seed in the central and eastern portions of the belt; early cotton came up generally to a good stand. In the West the drought further delayed planting especially in Texas, and early-planted cotton made poor progress, except in local areas. Near the close of the month, however, the drought was relieved by generous rains which materially improved the outlook and planting was pushed vigorously, but in the meantime the lack of moisture was beginning to be felt in central and eastern cotton States. The last days of April were much too cool for cotton in all parts of the belt, the low temperatures being decidedly unfavorable for germination of late plantings.